

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S4	158	secur\$3 same download\$3 same boot\$3 same (key signature verify verification)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2008/01/14 15:52
S33	4963	713/1,2,100.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2008/01/14 15:56
S37	1	(security same flash same boot\$3 same poll\$3).clm.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2008/01/14 16:19
S35	1	(key same flash same boot\$3 same poll\$3).clm.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2008/01/14 16:19
S39	1	(security same boot\$3 same serial same poll\$3).clm.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2008/01/14 16:20
S38	1	(key same boot\$3 same serial same poll\$3).clm.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2008/01/14 16:20
S36	1	(security same flash same boot\$3 same serial same poll\$3).clm.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2008/01/14 16:20
S34	1	(key same flash same boot\$3 same serial same poll\$3).clm.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2008/01/14 16:20

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S42	12	"713"/\$3.ccls. and (poll\$3 same serial).clm.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2008/01/14 16:26
S41	248	"713"/\$3.ccls. and poll\$3.clm.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2008/01/14 16:26
S40	885	713/171.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2008/01/14 16:31
S46	486	713/175.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2008/01/14 16:46
S45	190	713/173.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2008/01/14 16:46
S43	190	713/173.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2008/01/14 16:46
S47	58	S46 and boot\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2008/01/14 16:54
S48	87	S33 and (key near5 (flash \$3rom))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2008/01/15 09:30
S49	2	"5802592".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2008/01/15 09:46

## EAST Search History

S51	2	"5805882".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2008/01/15 10:10
S50	7	"500131".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2008/01/15 10:49
S53	952	compar\$4 near5 hash near10 key	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2008/01/15 10:50
S52	2259	compar\$4 near5 hash same key	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2008/01/15 10:50
S55	8	"182378".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2008/01/15 12:18
S54	7	"500131".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2008/01/15 12:18

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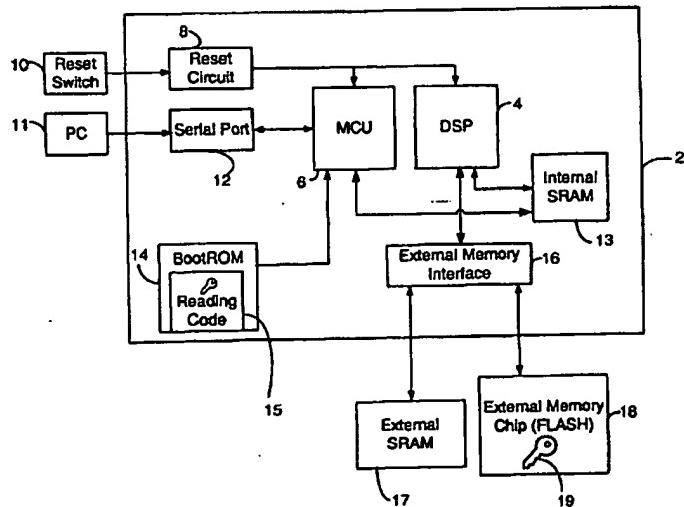
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Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,*

[Continued on next page]

(54) Title: ON-CHIP SECURITY METHOD AND APPARATUS



WO 03/060670 A2

(57) Abstract: A boot method and apparatus are described which reduce the likelihood of a security breach in a mobile device, preferably in a situation where a reset has been initiated. A predetermined security value, or password, is stored, for example in BootROM. A value of a security location within FLASH memory is read and the two values are compared. Polling of the serial port is selectively performed, depending on the result of such comparison. In a presently preferred embodiment, if the value in the security location matches the predetermined security value, then polling of the serial port is not performed. This reduces potential security breaches caused in conventional arrangements where code may be downloaded from the serial port and executed, which allows anyone to access and upload programs and data in the FLASH memory, including confidential and proprietary information.